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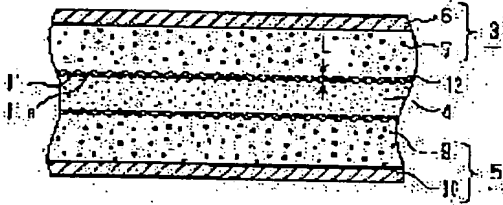
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(54) LITHIUM ION SECONDARY BATTERY AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a lithium ion secondary battery which is capable of having a high energy density and being constructed thinly, excellent in the charge/discharge characteristics, and maintaining the electric connection between an active material layer and separator without use of any strong sheath can.



SOLUTION: A projection and recess are formed on/in at least two of the surfaces of a positive electrode active material layer 7 and negative electrode active material layer 9 adjacent to a separator 4 and the surfaces of separator 4 confronting the two active material layers 7 and

9, and the three members are joined together by adhesive resin layers 11 to generate tight attachment, and an electrolytic solution containing lithium ions is held in the separator 4 and a cavity 12 formed by the joining surface 11a of projection and the recess, and electric connection is established.